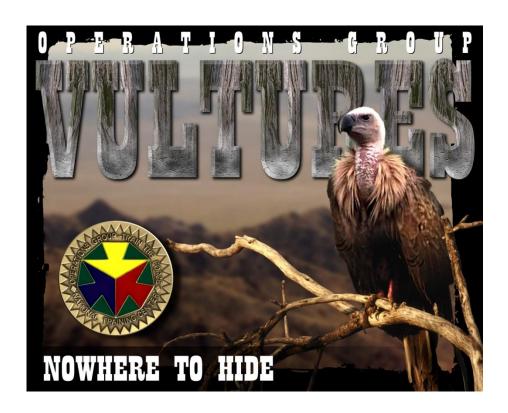04 May 2010

VULTURE TEAM SOP

INFORMATION TECHNOLOGY MANAGEMENT
NETWORK and COMMUNICATIONS
VIDEO, MEDIA, and AARs
MILES and INSTRUMENTATION
BATTLE COMMAND SYSTEMS
SIMULATIONS, INSTRUMENTATION AND INFORMATION
TELEPHONE CONTROL
SINCGARS Monitoring and Control System (SMCS)
RANGE COMMUNICATIONS SYSTEM (RCS)
NTC Rotational Unit (RTU) Incident Response Battle Drill

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Section 1

Information Technology Support

1-1 Reference.

DoD Directive 8570.1 (DoDD 8570.1) Information Assurance Training, Certification, and Workforce Management, 15 August 2004.
DoD 8570.01-M – Information Assurance Workforce Improvement Program, dated 19 December 2005.
AR 25-2, Information Assurance, 24 October 2007
Department of Defense 5500.7-R (The Joint Ethics Regulation (JER))

1-2 Purpose. This document establishes local standing operating procedures (SOP) specific to Operations Groups NEC unclassified and NEC classified Local Area Network (LAN), systems connected to the network and standalone processors. This document identifies requirements and the responsible personnel. It addresses the management of system resources and focuses on the functions and responsibilities of Information Technology (IT) users and mangers. It is a resource intended to assist the Information Management Officer (IMO), System Administrator (SA), and Information Assurance Security Office (IASO) and authorized system users in performing their duties. It outlines Operations Group procedures for Automation, Acquisitions, System Security, Printing and Publications. This SOP is based on current DOD, Army regulations and published policy.

1-3 Duties

  a   Advising, assisting, and ensuring assigned team 30s/IMOs have met all training and certification requirements prior to being appointed by their respective team.

A Company	RoadRunner
Bronco	Scorpion
Cobras	Sidewinder
Dragon/Phoenix	Tarantula

Network and Signal

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II. Signal Overview

    A. **Signal Operations:**   Network Operations, Flight Operations, RTU Training Operations, ACOE.
    B. **Network:**   Fiber Optic Network, SIPR NIPR Access Point (SNAP), BFT/FBCB2, line of sight/Point-to-point radios, AN/PSC-15 Global Rapid Response Information Package (GRRIP), Harris Enclosed Network, Network Enterprise Center (NEC).
    C. **Servers:**   Jabber.
    D. **Spectrum:**   Voice, FM, Cell Phones, Handheld radios, HF.
    E. **EWO:**   OPFOR Electronic Support Measures (ESM) & Electronic Countermeasures (ECM) Effects.
    F. **COMSEC:**   Firefly and PPK keys, Compromises.
    G. **Information Assurance:**   RTU Requirements, DA IG, Accreditations, 15-6 Investigations.
    H. **Logistical:**   BLAST, DSE.

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Miles and Instrumentation

4-1   REFERENCE
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Section 1

Miles and Instrumentation

4-1   References:

a.   FM 350-50-1

b.   TM 23-6920-706-10

c.   52nd Infantry Division (M) EXOP (OPS.GRP)

4-2   Purpose.   The NTC Instrumentation System (NTC-IS) and MILES facilitate realistic exercises by providing real-time feedback and extensive recording of the actions of Soldiers, weapon systems, and vehicles. Instrumentation allows the Operations Center to track specific movements of units and key leaders, and to record engagement 'firing events' involving direct and indirect weapon systems on a full effects battlefield and data retrieval and playback for use during After Action reviews (AAR) and other analysis.

4-3   Duties.   Insure all Rotational personnel and equipment are properly Instrumented and have the correct MILES on. Insure that WTA builds and maintains the Battle Roster through the rotation. Schedule and provide C2 for contact teams are made available for the rotation.

Chapter 5

Battle Command

5-1   PURPOSE
5-2   DUTIES
5-3   RESPONSIBILITIES
5-4   FLOW CHART

5-1 Purpose.   This document is designed to assist with continuity between Battle Command officers and to explain the duties and responsibilities of the Battle Command Officer. A better understanding of the duties and responsibilities will assist other sections in the Vulture Team and other teams with knowing what to do to better assist organizations in Operations Group, Fort Irwin and most importantly the Rotational Units preparing to deploy.   This document is not all inclusive but provides a basic understanding into the areas of Field Service Representative (FSR) Management and planning, software version management, hardware upgrades, FSR Battle Update Briefs (BUB), and Division Tactical Operations Center (DTOC) Tactical Analysis and Feedback Facility (TAFF) Synchronization meetings.

5-2 Duties

a   Coordination for Field Service Representatives (FSRs) starts with Teleconferences beginning as early as 90 days prior to the Rotational Units' rotation. These Teleconferences are referred to as the D-90, D-60, and D-30. The D-90 can happen but typically due to operational tempo of the unit and regional coordinators these meeting do not occur. The Regional Coordinator is the one responsible for setting up and executing the D- teleconferences. Each region (Western/Pacific, Central, and Eastern) has a Regional Coordinator; the Regional Coordinator creates the support package of FSRs and LARs that support the Rotational unit. The pacific Regional Coordinator is Bruce Parent. The western (really is central US but they call is western) Regional Coordinator is Matthew Ransdell. The eastern Regional Coordinator is Donald Young. The Battle Command Officer will provide slides for the D-60 and D-30, these slides are the same as what is used in the FSR BUB. The basis of these slides is gotten from the Lizard Plans "Mini-Maps" for that rotation, the slides include: Rotational Calendar, Concept of the Operation (showing FOB locations), Over the Shoulder Training Template, and OC Coverdown. During the Teleconference you brief your slides and offer any suggestions from past experience that will assist both the Rotational Unit S6 and the Regional Coordinator.

b   As the Battle Command Officer (BCO) you are the conduit between Operations Group, the Rotational Unit, the Logistical Support Element (LSE), the Higher Control Digital Systems Engineer (HICON DSE), and FSRs and LARs. The BCO will attend all

Chapter 6

Simulations and Instrumentation

6-1   **REFERENCES**
6-2   **PURPOSE**
6-3   **V57 DUTIES**
6-4   **RESPONSIBILITIES**
6-5   **BATTLE RHYTHM**
6-6   **SIMULATION**

6-1   References:

    a.   **FM 3-0 Operations**
    b.   **FM 6-01.1**
    c.   **Army Team C4ISR Knowledge Management Strategic and Implementation Plan: The Path Forward**
    d.   **52nd Infantry Division (M) EXOP (MAY 2009)**

6-2   Purpose:

    a. **Purpose.** The purpose of this SOP is to set standards for the conduct of all operations within the Vulture Team Simulations, I&I Section in support of the Rotation.

    b. **Scope/Applicability.** These standards apply to all members of the Vulture Team section assigned or attached. The authority to deviate from these standards is the Chief of Simulations (V57) or the Director, Instrumentation and Information Systems (V7).

    c. **Changes.** This SOP will be reviewed semi-annually. Recommendations for changes and modifications to this SOP will be forwarded in writing to the Chief of Simulations (V57).

    d. **Suppression.** This SOP supersedes all previously dated SOPs issued by this command.

6-3   Duties:

    a.   Mission: Vultures provide instrumentation and information system integration (L-V-C) support for rotational units, Operations Group, and the NTC and

Annex Page

Annex- I:

Telephone Control & User Agreement

Annex-II:

SINCGARS Monitoring and Control System (SMCS)

Annex-III:

Range Communications System (RCS)

Annex-IV :

National Training Center (NTC) Rotational Unit (RTU) Incident Response Battle Drill

Annex- V:

Safety Operations, Down Range Operations, Uniform.

Annex- I

Telephone Control

1.   **Purpose**. This section establishes procedures for the use of the government telephone system and cellular phones in Operations Group at the NTC, and provides the basis of the commander's telephone system usage control program.

2.   **Policy**.

   a.   Telephone Usage. The use of the federal telephone system within Operations Group is "*For Official Use Only*". Teams may institute more detailed and restrictive guidance within their organizations. The ultimate goal is to implement a telephone system usage control program that is cost effective, and provides reasonable, if not absolute, assurance that telephone calls are made to conduct official government business or is in the best interest of the government. Government provided telephone service, such as DSN, will be used instead of commercial service to the fullest extent possible. Operations Group will assign a primary and alternate Telephone Control Officers. Normally, the primary TCO will be Vulture 30A and the alternate will be Lizard 28.

   b.   Cellular Phone and Blackberry Usage:

      (1)   Authorized and assigned to specific personnel within OPS GRP as approved by the XO.
      (2)   Used for mission related operations only.
      (3)   Wireless Device User Agreement/Policy will be signed and forwarded to the OPS GRP TCO upon receipt of the device.
      (4)   Changes in property (hand receipt) must be reported to the TCO before the property changes hands.

   c. Phone calls using government telephones which reasonably could not be made at another time, may be made over government commercial/long distance lines if:

      (a)   It does not adversely affect the performance of the official duties by the person or the person's organization.

      (b)   It is of reasonable duration and frequency.

      (c)   It is not used for activities related to the operation of a personal business enterprise.

      (d)   In the case of toll/long distance calls (except to the local commuting area, defined as post housing, any other numbers with a 386 prefix, or any number which may be called toll-free from Barstow), the call must be either charged to the employee's home telephone or other non-government number, charged to the called party (collect call), be a 1-800 number, or be charged to a personal credit card.

SINCGARS Monitoring and Control System (SMCS)

1.   **Purpose**. This annex establishes procedures for the use of the SMCS within Operations Group.

2.   **Policy**.

a.   The Communications Chief, under the direction of the Chief of I&IS, will assure SMCS is providing continuous communications during rotations. SMCS allows the capture and storage of player unit conversations for use in AAR products by the Training Analysis and Feedback (TAF) teams. This is done through coordination with the O&M contractor, TAF personnel and the Frequency Spectrum Management Office. The system works by capturing the FM communications of the player unit from two sites, Tiefort and Granite. The information is transmitted from the mountains via fiber and stored digitally in Bld 990 for retrieval by TAF team members. This system also serves as the backup for the Range Communications System (RCS).

(1) The system is capable of operating in the following modes: Single Channel (SC) Non-secure, SC Secure, Frequency Hop (FH) Non-secure, and FH Secure. It can also perform SC retransmission in both the secure and non-secure modes.

(2) It is not capable of performing retransmission in the FH secure or non-secure mode.

(3) Any changes to the system must be submitted through the communications office.

b. To ensure all nets are correctly loaded into the SMCS the following checks will be executed.

(1) RSOI 2 a review of selected nets to be added to the SMCS database by radio room personnel and V30G.

(2) RSOI 3 Loading and assigning of the radio nets to specific Integrated Services Telephone (IST) will be completed. They will verify that frequencies on the sheet match those on the face of the radios in operation and provide sheets to the communications office and each TAF for final review.

(3) TAFS will provide any changes or corrections to the radio nets assigned to the communications office for authorization.

(4) The communications office will validate all nets before the communications exercise on RSOI3. Each day from RSOI3 until end of rotation a communications sheet will be provided to the TAF teams as a record of nets assigned for their use.

     d.   COMSEC electronic key will be loaded into the radios by RSOI 2. The Electronic key is a training key. It is a generic fill generated by the LCMS computer located in the Post COMSEC office. These keys are associated with each rotation by the frequency management office. The only official fill for a rotation comes from this single source and will be distributed to those with valid requirements by Vulture30 team. Team 30s will receive Loadset from Vulture Team during RSOI2 30 sync meeting.

     e.   Problems with Integrated Services Telephones (IST phones) or other communications devices must be reported immediately to the Operations and Maintenance (O&M) contractor. If the problem is not corrected or is slow in getting done, report it to the I&IS communications office.

     f.   Team communication officers or representatives will ensure all SOI information, both Operations Group and player unit call signs and frequencies are put into the correct format and placed into a packet for use by team personnel. Teams are responsible for loading their SINCGARS radios with COMSEC and the appropriate hopsets. Team training calendars reflect times when teams upload COMSEC. ANCDs are controlled and maintained by each team.

       (1) Obtain current SOI's from Vulture30 team.

       (2) Obtain current FM Loadset for SINCGARS operations from Vulture 30 Team NLT RSOI2 during 30 sync meeting.

       (3) Check with rotational unit communications officer for any commo/SOI problems not adequately resolved.

   g. Observer Controller single channel frequencies and frequency hopsets (FH) have been identified for each team and can be monitored from the TAFS using the IST phones. If a complete crash of the RCS system occurs we will use FH for every talk group identified unless in the conduct of Live Fire operations.

3.   **Proponent**. **Proponent**. The proponent for this annex is the Operations Group Communications Officer at dsn 470-5361.

Range Communications System (RCS)

1.   **Purpose**. This annex establishes procedures for the use of RCS radios within Operations Group.

2.   **Policy**.

   a. General: The Range Communications System is the primary means of voice communication for Operations Group Observer Controllers. The system works as a digital trunking radio system; with each organization (team) having their own specific talk groups (nets). The primary repeaters used at NTC are located at Granite and Tiefort Mountains. The repeater sites at Granite and Tiefort have been configured to perform simulcast operations. Simulcast allows users that are in line of site for Tiefort Mountain to communicate with those who only have line of site to Granite Mountain. Radio profiles can be dynamically reconfigured to support O/C requirements as the battle progresses. The system is designed to support 3000 users with less than a 10 second queue time during peak traffic periods.

   b.   The I&IS communications section is responsible for configuration management of RCS. This includes the management of the configuration of Tiefort and Granite sites, as well as the architecture and structure of nets, talk groups, radio personalities. Changes to the configuration of RCS must be approved by V30, V30A or V01.

   c. RCS Profiles: Every RCS radio is given a Regional, Fleet, Sub-fleet, and Individual (RFSI) number, that identifies that particular radio to the system manager. Radios are then assigned to talk groups based upon an O/Cs specific communication requirements. Once a talk group is programmed into a radio it enables an individual to talk with everyone within that talk group. Simultaneous transmissions can take place on the same net if operating off separate base stations (i.e. Base Station0 or Base Station1).

   d. RCS Maintenance: All maintenance problems will be directed to the O&M contractor located in building 988. All organizations must coordinate with the O&M contractor prior to going to the RCS trailer for service. RCS maintenance personnel are available 24 hours a day during Force on Force and Live Fire operations; however, they may not be in the trailer. The best time to conduct routine maintenance of your system is from BRD1 to RSOI3. If you experience problems contacting them or have questions about service you must contact the communications office in building 988. The RCS radio architecture, or equipment configuration will not be changed by the O&M contractor without the approval of the I&IS communications office. Written (email) requests for additions, changes, or deletions of equipment or programming must be submitted to the I&IS communications office.

   e. RCS Usage

(1) Net Calls: Net Calls add to queue times and must be limited in duration by teams.

(2) Individual Calls: RCS is capable of direct dialing any radio within the network. This capability is helpful in reaching elements outside your normal communications requirements. The use of individual calls will be limited in duration to 3 minutes or less. Individual calls reduce the number of resources available to all users and their use is discouraged during high traffic periods.

(3) Telephone Calls: RCS has the ability to conduct 8 telephone calls at one time rather those calls are into a radio or out to a commercial telephone. These calls are monitored and should not be performed in the middle of battle periods. The purpose of the phone capability is to support emergency operations for post and provide morale call capability for OPSGRP. Morale calls are prohibited beginning 2 hours before battle periods ends 2 hours after continue mission instructions have been issued. The network is always monitored and when users are found to be abusing this capability the user will lose the capability of performing any calls during a rotational period. No Phone call should last more than 5 minutes. Any phone calls lasting for more than ten minutes will result in termination of service to that radio. Once service to a radio is terminated it can only be reestablished through the offices of the Garrison Commander, the Commander of Operations Group or the Regimental Commander. (See Telephone Control SOP for more information)

f. RCS Failure:

(1) All team primaries must go to their team FM nets and contact the TAF rooms for a radio check.

(2) All primaries must contact their personnel and ensure they are able to communicate using RCS Direct Mode Frequencies or their FM radio.

(3) V30 will notify all TAFs of the communications problem and ensure SMCS is active in all TAF rooms. V30 will also provide the TAFs with an assessment of the projected down time and actions being taken to correct the problem.

(4) Teams will use the following DMO Frequencies to conduct their business.

DM1   Dragons/Lizards/Limas/Mustangs/Badgers
DM2   Broncos
DM3   Cobras
DM4   Scorpions
DM5   Tarantulas
DM6   Wolves
DM7   Sidewinders/Goldminers
DM8   Eagles
DM9   Blackhorse

DM10   Wranglers/Raytheon/Vultures/Spectrum Management
DM11   Range Control/Emergency Operations
DM12   SPARE
DM13   Fire Department/Johnson Control
DM 14   Hospital/AVCO
DM15   Military Police
DM16   CID

(5) OPSGRP will only have access to the first 12 frequencies. Fire Department/Johnson Controls will have access to the first 13. Hospital will access the first 14. Military Police will access the first 15. CID will have access to all nets. The organization of the nets will allow post and OPSGRP agencies to communicate when necessary without compromising the security of some post agencies.

(6) The single channel frequencies for FM radios are listed below. Frequency Hopsets have also been designated for every talk group currently used in the RCS radio. These nets will be supported by SINCGARS Monitor and Control System SMCC in building 988. If we are forced to use the FM nets for an extended period of time all nets will be monitored in the TAFS through the IST phone system. We have the ability to add COMSEC to these nets to prevent the unit from listening to administrative command and control communications, however; communications on all of these nets will be initiated in Single Channel Non-secure MODE.

NET NUM	UNIT/ELEMENT	ID	CS	CUE	MAN	CALLWORD
1	NTC CMD	107	T6E	61.0000	76.3250	
2						
3	OPS CMD	100	B8D	71.8000	60.5250	
4	OPS CMD 2	101	R4Y	87.2500	87.5750	
5	OPS CMD 40	102	Y3J	39.3500	34.0750	
6	OPS SPT	103	R9K	84.7500	78.4750	
7						
8	LIZARD 1	104	P8K	86.0000	39.7750	LIZARD
9	LIZARD 2	105	C5V	37.7500	86.4500	LIZARD
10	LIZARD 27	106	U0Q	46.6500	68.7500	LIZARD
11						
12	COB-1	108	S1O	36.5500	62.0750	COB
13	COB-2	109	W4U	83.8500	68.5500	COB
14	PPG	110	O7B	66.4500	66.2750	PPG
15						
16	BRONCO-1	116	G0N	40.1500	80.7750	BRONCO
17	BRONCO-2	117	H1H	84.3000	59.8750	BRONCO
18	BRONCO-3	118	G1K	34.3500	78.3000	BRONCO
19	BRONCO-4	119	M8L	32.0000	62.9250	BRONCO

20	BRONCO-5	120	B8G	66.3500	67.8500	BRONCO
21	BRONCO-20	121	S6W	62.2000	86.7750	BRONCO
22	BRONCO-27	122	E3L	59.8500	78.3500	BRONCO
23	BRONCO-CSS	123	R7U	62.1500	68.2000	BRONCO
24						
25	ADA-1	124	F4C	39.0500	37.9250	ADA
26	ADA-2	125	K9P	66.9500	76.6000	ADA
27	COMMO	126	U1Q	62.9500	86.9250	COMMO
28	INTEL	127	Y9L	86.6000	78.8250	INTEL
29	ENFORCER	128	X0X	40.7500	83.7500	ENFORCER
30	CHAPLIN	129	P1U	34.0500	66.8250	CHAPLIN
31	MSE	130	Y3H	65.8500	62.3750	MSE
32	AIR CONTROL	131	E6S	79.3000	85.9000	AIR CONTROL
33						
34	RED-1	136	S3F	87.9500	33.1250	RED
35	RED-2	137	X6R	87.5500	77.1250	RED
36	RED-3	138	N5B	37.7000	87.1750	RED
37	RED-4	139	Q3C	58.5500	33.7250	RED
38	RED-5	140	K9T	62.2500	74.0250	RED
39	RED-6	141	X7U	71.0000	32.7500	RED
40	RED-7	142	N7A	39.6500	34.5250	RED
41	RED-8	143	Q0V	32.9500	74.1750	RED
42	RED CSS	144	W1B	83.7000	58.2250	RED
43	RED TOC	145	Z7C	71.6500	32.3750	RED
44						
45	FM-1	146	Z7R	78.2000	60.4250	FOX MIKE
46	FM-2	147	D2M	32.8500	33.8750	FOX MIKE
47	SMOKER	148	W6X	80.8000	65.6000	SMOKER
48	DATA-1	149	E6X	57.8000	70.8250	DATA
49						
50	VIDEO-1	155	T2G	83.3000	84.4250	VIDEO
51	VIDEO-2	156	G1T	34.6500	69.5250	VIDEO
52	VIDEO-3	157	V9X	78.1000	37.9500	VIDEO
53						
54	INFANTRY-1	161	H2B	79.5500	78.2250	INFANTRY
55	INFANTRY-2	162	O1K	87.3500	85.5750	INFANTRY
56	INFANTRY-3	163	J6U	39.1500	83.4750	INFANTRY
57	INFANTRY-4	164	S8N	84.1000	67.1750	INFANTRY
58	INFANTRY-11	165	M3D	80.1500	77.2250	INFANTRY
59	INFANTRY-12	166	Q7V	39.2000	85.8250	INFANTRY
60	INFANTRY-13	167	H1S	79.9000	79.4000	INFANTRY
61	INFANTRY-15	168	Y5B	63.3000	66.0250	INFANTRY
62	INFANTRY-20	169	H0W	76.7500	37.2750	INFANTRY
63	INFANTRY-27	170	B3N	60.3000	76.6250	INFANTRY
64	INFANTRY-CSS	171	M7R	86.5500	39.6250	INFANTRY
65						
66	AT COMPANY	172	M6O	76.8500	59.4750	

67						
68	MECH-1	175	E0D	84.4000	74.2750	MECH
69	MECH-2	176	Y4Q	85.4500	87.4750	MECH
70	MECH-3	177	K0P	80.2000	80.1750	MECH
71	MECH-11	178	W8H	77.1500	67.3750	MECH
72	MECH-12	179	U3C	76.0500	71.5250	MECH
73	MECH-13	180	Q8I	79.1000	61.6500	MECH
74	MECH-14	181	Y6Q	74.1000	70.9750	MECH
75	MECH-15	182	U8P	70.1000	66.2250	MECH
76	MECH-18	183	N6N	87.8500	74.3750	MECH
77	MECH-20	184	G4K	74.4000	68.7250	MECH
78	MECH-27	185	W4Q	84.5500	66.0500	MECH
79	MECH-CSS	186	S1C	59.2000	33.4750	MECH
80						
81	COBRA-1	191	A7P	83.0000	40.2750	COBRA
82	COBRA-2	192	A9C	78.9000	86.4250	COBRA
83	COBRA-3	193	L2G	86.3000	71.1500	COBRA
84	COBRA-11	194	O6V	80.9000	67.3000	COBRA
85	COBRA-12	195	E6I	39.4500	63.6000	COBRA
86	COBRA-13	196	D2J	62.4000	59.7750	COBRA
87	COBRA-14	197	X6G	86.5000	68.9750	COBRA
88	COBRA-15	198	U3E	58.6500	66.4750	COBRA
89	COBRA-18	199	O3J	66.2500	62.5250	COBRA
90	COBRA-20	200	V7N	83.4500	84.7750	COBRA
91	COBRA-27	201	V0J	70.8000	83.0250	COBRA
92	COBRA-CSS	202	R7C	83.3500	79.6250	COBRA
93						
94	DRAGON-1	207	W5J	79.8000	61.9000	DRAGON
95	DRAGON-2	208	X7C	34.4500	87.9750	DRAGON
96	DRAGON-3	209	Q5M	77.8000	32.6750	DRAGON
97	DRAGON-4	210	K4H	62.6000	87.9000	DRAGON
98	TARGET-1	211	U2Z	86.3500	80.6250	TARGET
99	TARGET-2	212	A7A	83.2500	71.4250	TARGET
100	TARGET-3	213	E6W	67.4500	33.0250	TARGET
101	LF CMD	214	H5Z	83.6000	41.1250	LIVE FIRE
102						
103	RAVEN-1	221	M8N	57.5000	83.5750	RAVEN
104	RAVEN-2	222	K5G	79.2000	35.2500	RAVEN
105						
106	EAGLE-1	223	M2U	36.7500	33.4250	EAGLE
107	EAGLE-2	224	I1B	60.6500	37.8750	EAGLE
108	EAGLE-3	225	S2N	62.8500	37.3750	EAGLE
109	EAGLE-4	226	A0H	84.5000	35.9250	EAGLE
110	EAGLE-5	227	F7L	57.6500	40.9750	EAGLE
111	EAGLE-6	228	C2W	68.6000	86.7250	EAGLE
112	EAGLE-7	229	O3Q	79.9500	41.1000	EAGLE
113	EAGLE-8	230	V2Q	84.2000	63.1000	EAGLE

114	EAGLE-9	231	Q4Z	69.2000	36.6750	EAGLE
115	EAGLE-10	232	E7A	77.2000	62.3250	EAGLE
116						
117	SWINDER-1	237	U9I	69.0500	86.9750	SWINDER
118	SWINDER-2	238	C3E	76.0000	71.3250	SWINDER
119	SWINDER-3	239	L8H	67.2000	83.9250	SWINDER
120	SWINDER-4	240	D5N	61.2500	84.9000	SWINDER
121	SWINDER-5	241	M4G	70.5500	77.4250	SWINDER
122	SWINDER-CSS	242	P5Y	67.8000	41.2250	SWINDER
123						
124	LOG-1	252	A4F	69.8000	78.2500	LOG
125	LOG-2	253	N3Z	78.0000	78.9250	LOG
126	LOG-3	254	O9Y	69.2500	80.1250	LOG
127	LOG-4	255	P0Z	70.0500	37.6750	LOG
128	LOG-5	256	T8O	63.4000	36.3500	LOG
129	LOG-6	257	K8D	69.1000	41.4250	LOG
130						
131	IMMC	258	K9I	86.6500	33.7750	IMMC
132						
133	SPARE-1	264	R3D	66.7000	66.3250	
134	SPARE-2	265	N4I	33.2500	83.8750	
135	SPARE-3	266	G6M	35.9000	79.3750	
136	SPARE-4	267	T5G	79.5000	35.3750	
137	SPARE-5	268	D0D	70.4500	70.6750	
138						
139	HORSE-1	275	R5K	66.5000	60.4750	BLACKHORSE
140	HORSE-2	276	Y7A	86.0500	63.0000	BLACKHORSE
141	HORSE-16	277	V4T	62.4500	41.8500	BLACKHORSE
142						
143	BAT-1	283	A5H	76.3000	70.5250	BAT
144	BAT-2	284	Y2C	80.4500	74.0500	BAT
145	GATOR	285	M3R	40.4500	87.4500	GATOR
146						
147	COYOTE-1	290	I0Q	80.8500	86.7500	COYOTE
148	WRANGLER	291	X6E	77.8500	60.6750	WRANGLER
149	RATTLESNAKE	292	Q4P	85.6000	34.2500	RATTLESNAKE
150						
151	AARSG	301	B9M	37.5000	78.6000	AARSG
152	AARTECH	302	B9B	37.5500	86.8250	AARTECH
153	LF CONTROL	303	I5J	69.8500	77.6250	LF CONTROL
154	MILES	304	C1B	69.5500	87.3250	MILES
155	RAYMAINT	305	V4C	74.0000	77.5750	RAYMAINT
156	RAYTHEON	306	O5M	87.1000	57.6250	RAYTHEON
157	TES	307	S9D	85.2500	66.0000	TES
158	RCS SHOP	308	V6G	67.6500	77.0000	RCS SHOP
159						
160	SPARE-6	310	Q3Y	65.9500	67.5500	

161	SPARE-7	311	J1B	71.6000	77.7250		
162	SPARE-8	312	W3Z	57.1500	83.2000		
163	SPARE-9	313	B3O	68.9500	57.4750		
164	SPARE-10	314	I7P	69.3500	76.2000		
165	SPARE-11	315	Y5K	63.3500	85.5250		
166	SPARE-12	316	Z6O	68.4000	86.5250		
167	SPARE-13	317	Y2F	79.7500	36.0250		
168	SPARE-14	318	V7Z	65.8000	68.1250		
169	SPARE-15	319	R7A	61.5000	35.4000		
170	SPARE-16	320	N5E	61.2000	39.8750		
171	SPARE-17	321	G8O	68.4500	40.7250		
172	SPARE-18	322	U5O	41.8000	59.4000		
173	SPARE-19	323	B3P	66.8000	79.6000		
174	SPARE-20	324	S3C	62.0500	40.0250		
175							
176	RANGE CONTROL			38.9000			RANGECONTROL
177	STOP BUZZER			41.9500			STOP BUZZER
178	CRASH RESCUE			41.5500			CRASH RESCUE

NET NUM	NAME/DESCRIPTION	NET ID	CS	OC	RESTRICTIONS	FREQ	PW	REUSE CL ZN	CALL WORD
1	NTC CMD	107	Y	1		F	1		N
2									
3	OPS CMD	100	Y	1		F	1		N
4	OPS CMD 2	101	Y	1		F	1		N
5	OPS CMD 40	102	Y	1		F	1		N
6	OPS SPT	103	Y	1		F	1		N
7									
8	LIZARD 1	104	Y	1		F	1		LIZARD
9	LIZARD 2	105	Y	1		F	1		LIZARD
10	LIZARD 27	106	Y	1		F	1		LIZARD
11									
12	COB-1	108	Y	1		F	1		COB
13	COB-2	109	Y	1		F	1		COB
14	PPG	110	Y	1		F	1		PPG
15									
16	BRONCO-1	116	Y	1		F	1		BRONCO
17	BRONCO-2	117	Y	1		F	1		BRONCO
18	BRONCO-3	118	Y	1		F	1		BRONCO
19	BRONCO-4	119	Y	1		F	1		BRONCO
20	BRONCO-5	120	Y	1		F	1		BRONCO
21	BRONCO-20	121	Y	1		F	1		BRONCO

22	BRONCO-27	122	Y	1		F	1		BRONCO
23	BRONCO-CSS	123	Y	1		F	1		BRONCO
24									
25	ADA-1	124	Y	1		F	1		ADA
26	ADA-2	125	Y	1		F	1		ADA
27	COMMO	126	Y	1		F	1		COMMO
28	INTEL	127	Y	1		F	1		INTEL
29	ENFORCER	128	Y	1		F	1		ENFORCER
30	CHAPLIN	129	Y	1		F	1		CHAPLIN
31	MSE	130	Y	1		F	1		MSE
32	AIR CONTROL	131	Y	1		F	1		AIR CONTROL
33									
34	RED-1	136	Y	1		F	1		RED
35	RED-2	137	Y	1		F	1		RED
36	RED-3	138	Y	1		F	1		RED
37	RED-4	139	Y	1		F	1		RED
38	RED-5	140	Y	1		F	1		RED
39	RED-6	141	Y	1		F	1		RED
40	RED-7	142	Y	1		F	1		RED
41	RED-8	143	Y	1		F	1		RED
42	RED CSS	144	Y	1		F	1		RED
43	RED TOC	145	Y	1		F	1		RED
44									
45	FM-1	146	Y	1		F	1		FOX MIKE
46	FM-2	147	Y	1		F	1		FOX MIKE
47	SMOKER	148	Y	1		F	1		SMOKER
48	DATA-1	149	Y	1		F	1		DATA
49									
50	VIDEO-1	155	Y	1		F	1		VIDEO
51	VIDEO-2	156	Y	1		F	1		VIDEO
52	VIDEO-3	157	Y	1		F	1		VIDEO
53									
54	INFANTRY-1	161	Y	1		F	1		INFANTRY
55	INFANTRY-2	162	Y	1		F	1		INFANTRY
56	INFANTRY-3	163	Y	1		F	1		INFANTRY
57	INFANTRY-4	164	Y	1		F	1		INFANTRY
58	INFANTRY-11	165	Y	1		F	1		INFANTRY
59	INFANTRY-12	166	Y	1		F	1		INFANTRY
60	INFANTRY-13	167	Y	1		F	1		INFANTRY
61	INFANTRY-15	168	Y	1		F	1		INFANTRY
62	INFANTRY-20	169	Y	1		F	1		INFANTRY
63	INFANTRY-27	170	Y	1		F	1		INFANTRY
64	INFANTRY-CSS	171	Y	1		F	1		INFANTRY
65									

66	AT COMPANY	172	Y	1		F	1		N
67									
68	MECH-1	175	Y	1		F	1		MECH
69	MECH-2	176	Y	1		F	1		MECH
70	MECH-3	177	Y	1		F	1		MECH
71	MECH-11	178	Y	1		F	1		MECH
72	MECH-12	179	Y	1		F	1		MECH
73	MECH-13	180	Y	1		F	1		MECH
74	MECH-14	181	Y	1		F	1		MECH
75	MECH-15	182	Y	1		F	1		MECH
76	MECH-18	183	Y	1		F	1		MECH
77	MECH-20	184	Y	1		F	1		MECH
78	MECH-27	185	Y	1		F	1		MECH
79	MECH-CSS	186	Y	1		F	1		MECH
80									
81	COBRA-1	191	Y	1		F	1		COBRA
82	COBRA-2	192	Y	1		F	1		COBRA
83	COBRA-3	193	Y	1		F	1		COBRA
84	COBRA-11	194	Y	1		F	1		COBRA
85	COBRA-12	195	Y	1		F	1		COBRA
86	COBRA-13	196	Y	1		F	1		COBRA
87	COBRA-14	197	Y	1		F	1		COBRA
88	COBRA-15	198	Y	1		F	1		COBRA
89	COBRA-18	199	Y	1		F	1		COBRA
90	COBRA-20	200	Y	1		F	1		COBRA
91	COBRA-27	201	Y	1		F	1		COBRA
92	COBRA-CSS	202	Y	1		F	1		COBRA
93									
94	DRAGON-1	207	Y	1		F	1		DRAGON
95	DRAGON-2	208	Y	1		F	1		DRAGON
96	DRAGON-3	209	Y	1		F	1		DRAGON
97	DRAGON-4	210	Y	1		F	1		DRAGON
98	TARGET-1	211	Y	1		F	1		TARGET
99	TARGET-2	212	Y	1		F	1		TARGET
100	TARGET-3	213	Y	1		F	1		TARGET
101	LF CMD	214	Y	1		F	1		LIVE FIRE
102									
103	RAVEN-1	221	Y	1		F	1		RAVEN
104	RAVEN-2	222	Y	1		F	1		RAVEN
105									
106	EAGLE-1	223	Y	1		F	1		EAGLE
107	EAGLE-2	224	Y	1		F	1		EAGLE
108	EAGLE-3	225	Y	1		F	1		EAGLE
109	EAGLE-4	226	Y	1		F	1		EAGLE

110	EAGLE-5	227	Y	1		F	1		EAGLE
111	EAGLE-6	228	Y	1		F	1		EAGLE
112	EAGLE-7	229	Y	1		F	1		EAGLE
113	EAGLE-8	230	Y	1		F	1		EAGLE
114	EAGLE-9	231	Y	1		F	1		EAGLE
115	EAGLE-10	232	Y	1		F	1		EAGLE
116									
117	SWINDER-1	237	Y	1		F	1		SWINDER
118	SWINDER-2	238	Y	1		F	1		SWINDER
119	SWINDER-3	239	Y	1		F	1		SWINDER
120	SWINDER-4	240	Y	1		F	1		SWINDER
121	SWINDER-5	241	Y	1		F	1		SWINDER
122	SWINDER-CSS	242	Y	1		F	1		SWINDER
123									
124	LOG-1	252	Y	1		F	1		LOG
125	LOG-2	253	Y	1		F	1		LOG
126	LOG-3	254	Y	1		F	1		LOG
127	LOG-4	255	Y	1		F	1		LOG
128	LOG-5	256	Y	1		F	1		LOG
129	LOG-6	257	Y	1		F	1		LOG
130									
131	IMMC	258	Y	1		F	1		IMMC
132									
133	SPARE-1	264	Y	1		F	1		N
134	SPARE-2	265	Y	1		F	1		N
135	SPARE-3	266	Y	1		F	1		N
136	SPARE-4	267	Y	1		F	1		N
137	SPARE-5	268	Y	1		F	1		N
138									
139	HORSE-1	275	Y	1		F	1		BLACKHORSE
140	HORSE-2	276	Y	1		F	1		BLACKHORSE
141	HORSE-16	277	Y	1		F	1		BLACKHORSE
142									
143	BAT-1	283	Y	1		F	1		BAT
144	BAT-2	284	Y	1		F	1		BAT
145	GATOR	285	Y	1		F	1		GATOR
146									
147	COYOTE-1	290	Y	1		F	1		COYOTE
148	WRANGLER	291	Y	1		F	1		WRANGLER
149	RATTLESNAKE	292	Y	1		F	1		RATTLESNAKE
150									
151	AARSG	301	Y	1		F	1		AARSG
152	AARTECH	302	Y	1		F	1		AARTECH
153	LF CONTROL	303	Y	1		F	1		LF CONTROL

154	MILES	304	Y	1		F	1		MILES
155	RAYMAINT	305	Y	1		F	1		RAYMAINT
156	RAYTHEON	306	Y	1		F	1		RAYTHEON
157	TES	307	Y	1		F	1		TES
158	RCS SHOP	308	Y	1		F	1		RCS SHOP
159									
160	SPARE-6	310	Y	1		F	1		N
161	SPARE-7	311	Y	1		F	1		N
162	SPARE-8	312	Y	1		F	1		N
163	SPARE-9	313	Y	1		F	1		N
164	SPARE-10	314	Y	1		F	1		N
165	SPARE-11	315	Y	1		F	1		N
166	SPARE-12	316	Y	1		F	1		N
167	SPARE-13	317	Y	1		F	1		N
168	SPARE-14	318	Y	1		F	1		N
169	SPARE-15	319	Y	1		F	1		N
170	SPARE-16	320	Y	1		F	1		N
171	SPARE-17	321	Y	1		F	1		N
172	SPARE-18	322	Y	1		F	1		N
173	SPARE-19	323	Y	1		F	1		N
174	SPARE-20	324	Y	1		F	1		N
175									
176	RANGE CONTROL		N	1		38.9	1		RANGECONTROL
177	STOP BUZZER		N	1		41.95	1		STOP BUZZER
178	CRASH RESCUE		N	1		41.55	1		CRASH RESCUE

     h. RCS allocation/procurement: Radios can only be purchased and added to the RCS system after approval from V30 for OPSGRP and by the Chief of Spectrum Management for post.

     i. Rotational Visitors are authorized the following talk groups: NTC Command, Range Control, Spare1, OPSCMD, and Coyote talk groups.

     j. Any abuse of the system will result in the termination of your RCS radio in the system and will require Commander of Operations Group or Chief Of Staff approval to be reactivated.

3.   **Proponent**. The proponent for this annex is the Operations Group Communications Officer at dsn 470-5361.

<u>**Annex V**</u>

Field Operating Procedures

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I.

I. FIELD OPERATING PROCEDURES

A.   **VULTURE STANDARD FIELD UNIFORM:** The objective is that all crews present a uniform, professional appearance and are as comfortable as possible while in the field.

B.   **MOVEMENT STANDARDS.**   The following procedures will be followed by all Vulture

elements when moving outside of main post:

1. All vehicles will receive route clearance from OCC Raytheon 99 prior to any movement.
2. No Vulture vehicles will move without clearance. Vulture Net 155 will be used as the primary movement control net.
3   Each vehicle will have a working RCS radio.
4. All vehicles will move on mainpost on approved routes only (5th street, Ft.Irwin road,

    Langford Lake road, Goldstone road).

5. All vehicle occupants will have a seat and seatbelt. Everyone will wear eye

    protection, headgear and a seatbelt at all times.

C.   **LIVE FIRE PROCEDURES**

1. All elements will check in and out with the Warrior TOC as they enter or leave the live

    fire area.

2. No movement is authorized prior to green and clear is given on Dragon 1 net.

D.   **SPEED LIMITS. The following speed limits will always be observed:**

1. 35 miles per hour on hardball.

2   25 miles per hour on tank trails.

3. 20 miles per hour (or less) cross country.
4. Vehicles should always try to use established trails when possible.
5. 25 miles per hour (or less) at night.

E.   NIGHT MOVEMENT OPERATIONS.

1. All drivers will use night vision goggles at night.
2. All vehicles will have working IR or blackout drive markers.
3. During low illumination and around dismounted troops, ground guides will be used.
4. All steps will be taken to minimize night movement during low illumination.

II.   SAFTEY PROCEDURES and REPORTS

A.   LOST IN THE DESERT PROCEDURES

If you become lost in the desert:

1.   Stop immediately.
2.   Stay with the vehicle.
3.   Look for a known terrain feature. Attempt to determine your location by resection/intersection.
4.   If you are still disoriented, notify R99, with last known point and time traveled since that point.
5.   If you cannot make radio contact, move to high ground and attempt step 4 again.
6.   Keep on all equipment/clothes.
7.   If daylight, try to use a mirror to signal any aircraft, no matter how distant.
8.   Conserve energy/resources.
9.   Await rescue with your vehicle.

<u>Don't let pride make you keep driving around until you are really lost!</u>

B.   10 LINE MEDEVAC REQUEST

1. Call Range Control on "RANGECTL" or "MEDEVAC" on 295.
2. Location of pickup zone (PZ), six digit grid.
3. Call sign of unit requesting MEDEVAC (OPS GRP Vultures).
4. Number of patients (by priority).

   a. URGENT
   b. PRIORITY
   a. ROUTINE

5. Special equipment required.
6. Number of patients by type (litter/ambulatory).
7. Method of marking the PZ (smoke, panel marker, chem lights).
8. Whether patients are military or civilian (NO NAMES).
9. Physical description of PZ (hill, rocky, wind, etc.)
10. Unit of patient.

Insure you notify V07/V40/V01/your Vulture section Team leader.

C.   SAFETY INCIDENT REPORT

Notify chain of command.

1. Call sign.
2. Type of incident/injury (vehicle rollover/no injuries).
3. DTG of incident.
4. Location.
5. Extent of injuries.
6. Extent of damage.
7. Related information.

D.   REQUIRED ITEMS FOR BRUNSON BOXES

1. 1:50,000 NTC map (both north and south).
2. Five red chem-lights.
3. Signal mirror.
4. Strobe light w/2 batteries.
5. 4 MREs.
6. Flashlight.
7. A pair of wire gloves.
8. First Aid kit.
9. VF-17 panel marker.

10. Spaceblanket (1 per crew member).
11. Copy of the FSOP.

Each of these items is stocked in the Vulture supply room. During PCIs, leaders will insure all vehicles departing to the field are fully equipped.

E.   SAFETY RISK ASSESSMENT

1. Standard: Prior to any type of operation, all soldiers are required to conduct a safety risk assessment. Operations include but are not limited to:

      a.   Movement
      b.   Battle coverage
      c.   Training exercise (CTT, Combat LifeSaver, Land Navigation)
      d.   Physical Training

2. Purpose. The purpose of the risk assessment card is to make all soldiers aware of the risks involved with any operation and take appropriate preventative measures to reduce the risk factor.
3. Listed below is the risk assessment card. Every Vulture soldier will carry this on their person when on duty.